

LIQUID CRYSTAL DISPLAY APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A liquid crystal display apparatus including a pair
of substrates having electrodes and vertical alignment
layers. A liquid crystal having a negative anisotropy of
dielectric is inserted between the substrates. Each
substrate has linearly arranged alignment control
structures for controlling the alignment of the liquid
crystal. The alignment control structures are formed in
15 the form of projections or slits. Each alignment control
structure is formed of a plurality of constituent units.
In addition, means for forming a boundary of alignment of
liquid crystal (singular point in director field) to
control the liquid crystal located on the alignment
20 control structures.